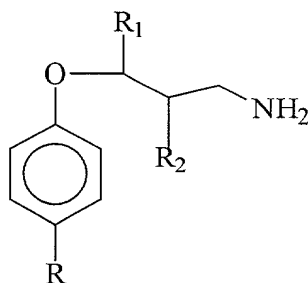


## WHAT IS CLAIMED IS:

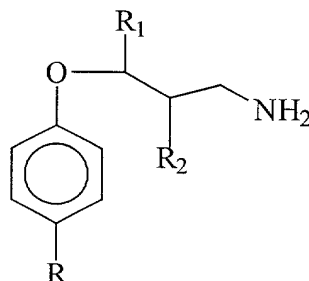
1. A compound of the formula:



and fuel-soluble salts thereof, wherein R is a polyalkyl group having an average molecular weight range of about 600 to 5,000; and

- 5      R<sub>1</sub> and R<sub>2</sub> are independently hydrogen or lower alkyl having about 1 to 6 carbon atoms.
2. The compound according to Claim 1, wherein R is a polyalkyl group having an average molecular weight in the range of about 600 to 3,000.
3. The compound according to Claim 2, wherein R is a polyalkyl group having an average molecular weight in the range of about 700 to 3,000.
- 10      4. The compound according to Claim 3, wherein R is a polyalkyl group having an average molecular weight in the range of about 900 to 2,500.
5. The compound according to Claim 1, wherein R is a polyalkyl group derived from polypropylene, polybutene, or a polyalphaolefin oligomer of 1-octene or 1-decene.
- 15      6. The compound according to Claim 5, wherein R is a polyalkyl group derived from polyisobutene.

7. The compound according to Claim 6, wherein the polyisobutene contains at least about 20% of a methylvinylidene isomer.
8. The compound according to Claim 1, wherein one of  $R_1$  and  $R_2$  is hydrogen or lower alkyl of about 1 to 4 carbon atoms, and the other is hydrogen.
9. The compound according to Claim 8, wherein  $R_1$  is hydrogen and  $R_2$  is hydrogen, methyl or ethyl.
10. The compound according to Claim 9, wherein both  $R_1$  and  $R_2$  are hydrogen.
11. A fuel composition comprising a major amount of hydrocarbons boiling in the gasoline or diesel range and an effective deposit-controlling amount of a compound of the formula:



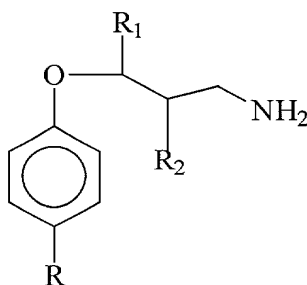
and fuel-soluble salts thereof, wherein R is a polyalkyl group having an average molecular weight range of about 600 to 5,000; and

$R_1$  and  $R_2$  are independently hydrogen or lower alkyl having about 1 to 6 carbon atoms.

12. The fuel composition according to Claim 11, wherein R is a polyalkyl group having an average molecular weight in the range of about 600 to 3,000.

13. The fuel composition according to Claim 12, wherein R is a polyalkyl group having an average molecular weight in the range of about 700 to 3,000.
14. The fuel composition according to Claim 13, wherein R is a polyalkyl group having an average molecular weight in the range of about 900 to 2,500.
- 5 15. The fuel composition according to Claim 11, wherein R is a polyalkyl group derived from polypropylene, polybutene, or a polyalphaolefin oligomer of 1-octene or 1-decene.
16. The fuel composition according to Claim 15, wherein R is a polyalkyl group derived from polyisobutene.
- 10 17. The fuel composition according to Claim 16, wherein the polyisobutene contains at least about 20% of a methylvinylidene isomer.
18. The fuel composition according to Claim 11, wherein one of R<sub>1</sub> and R<sub>2</sub> is hydrogen or lower alkyl of about 1 to 4 carbon atoms, and the other is hydrogen.
- 15 19. The fuel composition according to Claim 18, wherein R<sub>1</sub> is hydrogen and R<sub>2</sub> is hydrogen, methyl or ethyl.
20. The fuel composition according to Claim 19, wherein both R<sub>1</sub> and R<sub>2</sub> are hydrogen.
21. The fuel composition according to Claim 11, wherein the composition contains from about 25 to 5,000 parts per million by weight of said compound.
- 20 22. The fuel composition according to Claim 21, wherein the composition contains from about 50 to 1,000 parts per million by weight of said compound.

23. The fuel composition according to Claim 11, wherein the composition further contains from about 25 to 5,000 parts per million by weight of a fuel-soluble, nonvolatile carrier fluid.
24. The fuel composition according to Claim 23, wherein the composition further contains from about 50 to 3,000 parts per million by weight of a fuel-soluble, nonvolatile carrier fluid.
25. A fuel concentrate comprising an inert stable oleophilic organic solvent boiling in the range of from about 150°F to 400°F and from about 10 to 70 weight percent of a compound of the formula:



- and fuel-soluble salts thereof, wherein R is a polyalkyl group having an average molecular weight range of about 600 to 5,000; and

$R_1$  and  $R_2$  are independently hydrogen or lower alkyl having about 1 to 6 carbon atoms.

26. The fuel concentrate according to Claim 25, wherein R is a polyalkyl group having an average molecular weight in the range of about 600 to 3,000.
27. The fuel concentrate according to Claim 26, wherein R is a polyalkyl group having an average molecular weight in the range of about 700 to 3,000.
28. The fuel concentrate according to Claim 27 wherein R is a polyalkyl group having an average molecular weight in the range of about 900 to 2,500.

29. The fuel concentrate according to Claim 25, wherein R is a polyalkyl group derived from polypropylene, polybutene, or a polyalphaolefin oligomer of 1-octene or 1-decene.
- 5 30. The fuel concentrate according to Claim 29, wherein R is a polyalkyl group derived from polyisobutene.
31. The fuel concentrate according to Claim 30, wherein the polyisobutene contains at least about 20% of a methylvinylidene isomer.
- 10 32. The fuel concentrate according to Claim 25, wherein one of R<sub>1</sub> and R<sub>2</sub> is hydrogen or lower alkyl of about 1 to 4 carbon atoms, and the other is hydrogen.
33. The fuel concentrate according to Claim 32, wherein R<sub>1</sub> is hydrogen and R<sub>2</sub> is hydrogen, methyl or ethyl.
34. The fuel concentrate according to Claim 33 wherein both R<sub>1</sub> and R<sub>2</sub> are hydrogen.
- 15 35. The fuel concentrate according to Claim 25, wherein the fuel concentrate further contains from about 20 to 60 weight percent of a fuel-soluble, nonvolatile carrier fluid.